

GM-GV3 mobileCam & Viewer Software User Guide

Table of Contents

Chapter 1 GM-GV3 mobileCam Overview

- 1.1 Package contents.....
- 1.2 GM-GV3 overview.....
- 1.3 mobileCam peripheral connection diagram.....

Chapter 2 Install the Program & Setup the mobileCam.

- 2.1 Step 1. Connect the mobileCam to PC with USB cable.
- 2.2 Step 2. Software installation
- 2.3 Step 3. Driver installation
- 2.4 Step 4. Create user account.
- 2.5 Step 5. Setup the mobileCam network.
- 2.6 Step 6. View the online mobileCam

Chapter 3 mobileCam Viewer Overview

- 3.1 Icon and status bar for device (**mobileCam**) side.....
- 3.2 Icon and status bar for remote (PC) side.....
- 3.3 Device Basic Configuration
- 3.4 Device Advance Configuration
- 3.5 Device Record Configuration
- 3.5 Device List
- 3.6 Map

Chapter 4. Account Maintenance

- 4.1 Forgot Password.....
- 4.2 Change Password and e-mail.....
- 4.3 Add, delete, or share device.....
- 4.4 Create account on mobileCam Viewer

Chapter 5 Setup GM-GV3 with USB connection

- 5.1 Set up GM-GV3 with USB
- 5.2 Quick Mobile network setup

Chapter 6 GM-GV3 mobileCam Specification

- 6.1 GM-GV3 specification.....09

Chapter 1 mobileCam Overview

1.1 Package Contents



GM-GV3



Battery Pack



Antenna



Micro SD



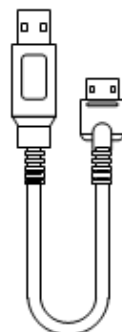
CD Software



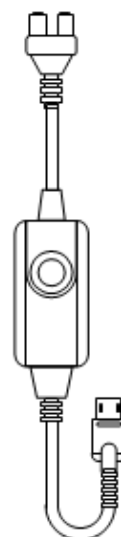
Earphone



Adaptor

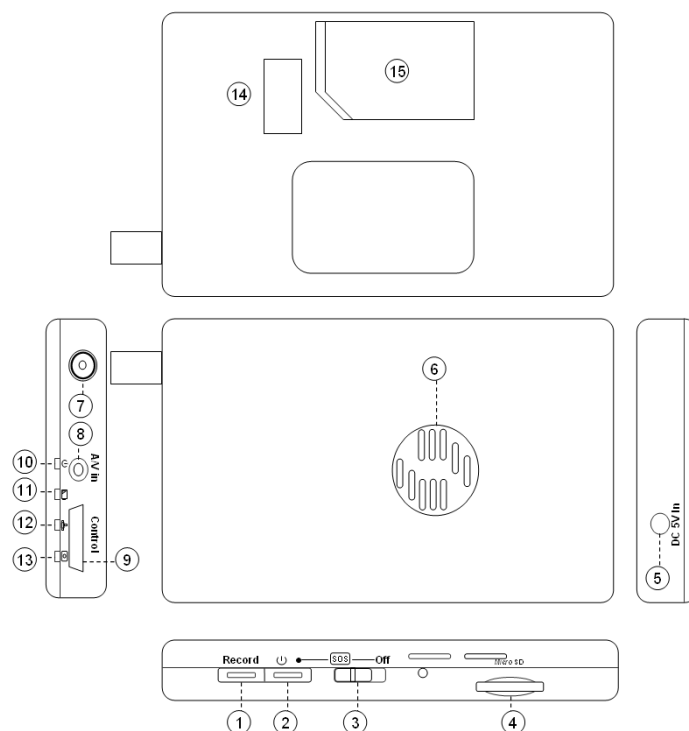


USB



Remote & GPS

1.2 GM-GV3 Overview



1. Record Key :

2. Power Key :

3. SOS on/off:

4. Micro SD slot

5. DC +5V input

6. Fan

7. Antenna

8. Video & Audio input

9. Control Port :

10. Power LED :

11. Battery Status LED :

12. Network Link Status LED.

13. Record LED :

14. Battery Connector

15. SIM Card Slot

Power on/off - Press over 3 second.

SOS emergency - Press less 3 second.

SOS emergency function on/off

Remote and GPS connection./ USB connection

Blink - power on boot procedure.

On - Power on and operation.

On - Charging.

Off - Normal

Blink - Low battery.

On – SIM missing or error.

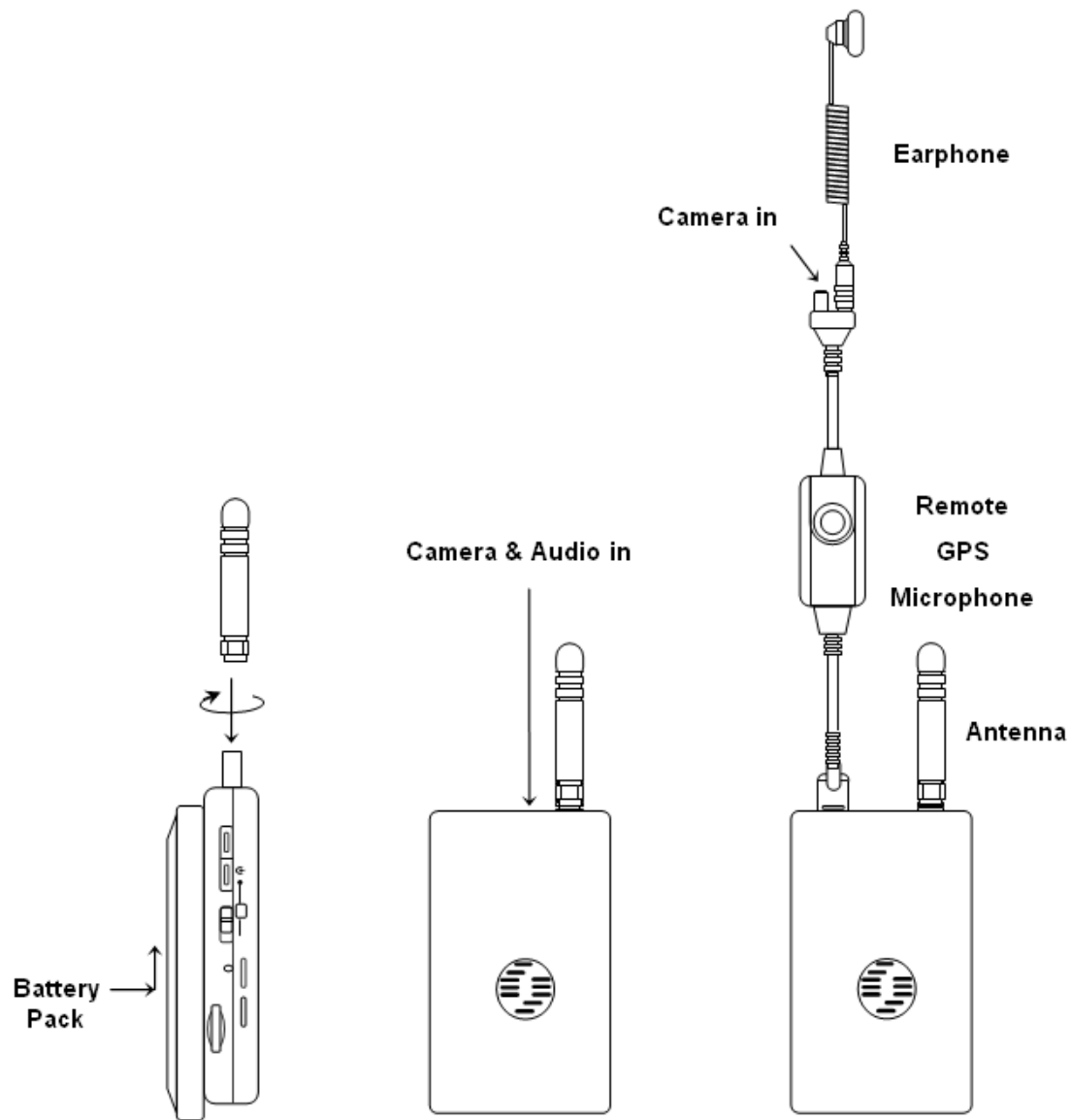
Off –dial up.

Blink – Link.

On - SD error.

Blink - Recording

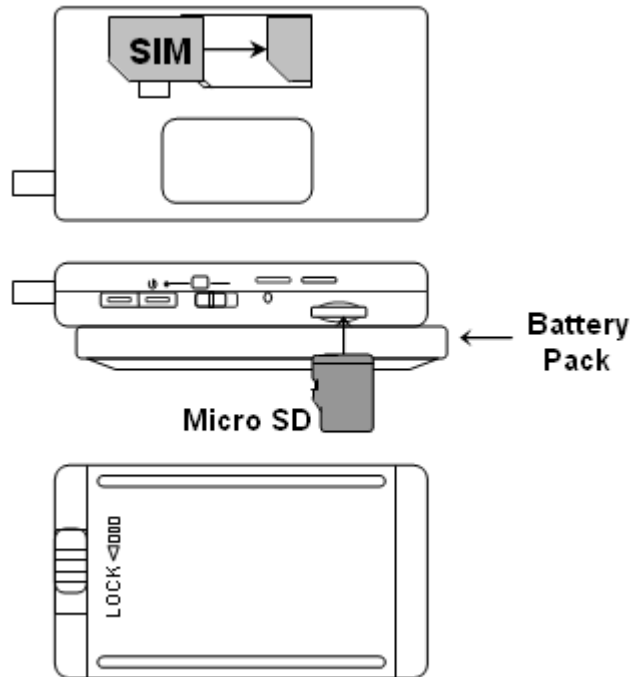
1.3 mobileCam connection diagram



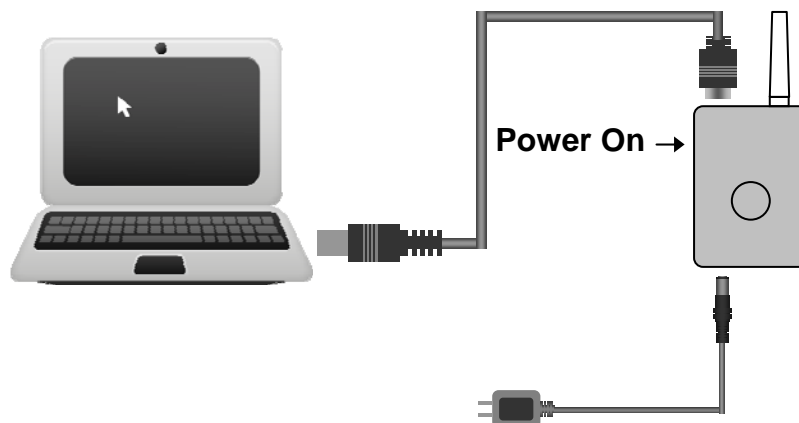
Chapter 2 Install the Program & Setup the mobileCam.

2.1 Step 1. Connect the mobileCam to PC with USB cable.

- ★ Insert the SIM card and Micro SD card properly.
- ★ Slide the battery pack to right position then lock the battery.



- ★ Plug the antenna and connect **GM-GV3** to PC with USB cable then power on the mobileCam. If battery is low. Use the AC adaptor for power. supply.



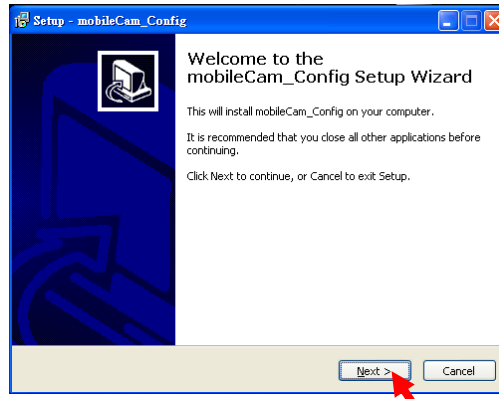
- ★ Please click “Cancel” when the dialog show as below on PC screen after mobileCam boot up.



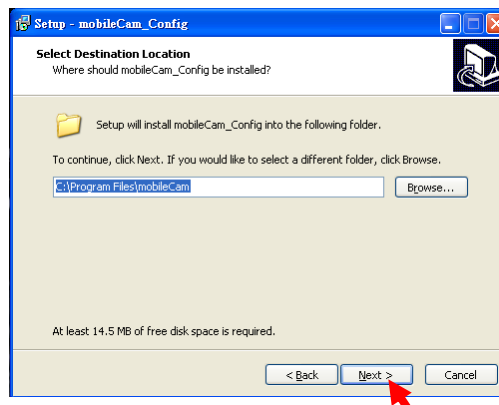
2.2 Step 2. Software installation

- ★ Wait for the GM-GV3 blue led stop the blink. Run **MobileCam.exe**
Click “Next” icon to start the installation

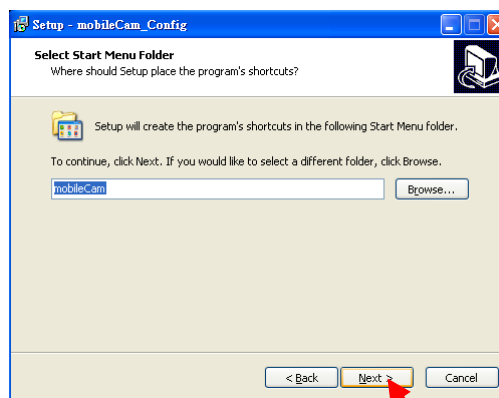
**Please keep GM-GV3 connect to PC with USB cable and
make sure PC connect to internet**



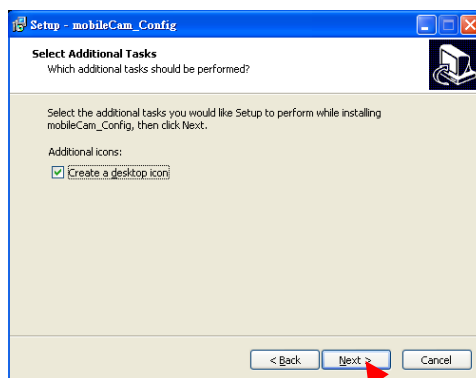
- ★ Program folder path setup. Use default path or click “Browse” icon to change the path then click “Next” icon.



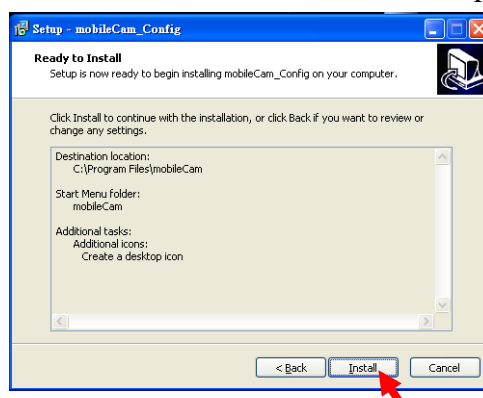
- ★ Shortcut path setup. Use default path or click “Browse” icon to change the path then click “Next” icon.



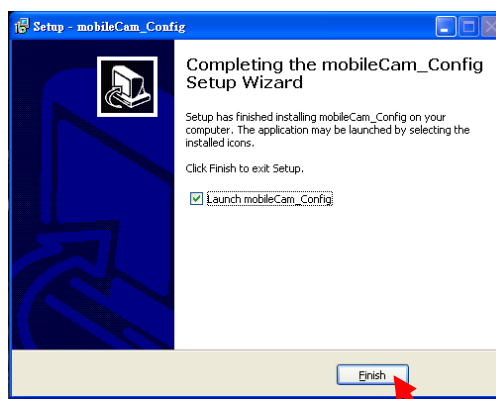
- ★ Shortcut setup. Select create the windows desktop icon or not then click the “Next” icon.



- ★ Installation information. Click “Install” to start the program installation.

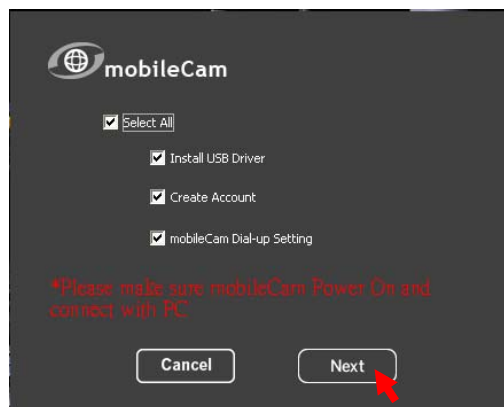


- ★ Click the “Finish” icon to end the program installation.



2.3 Step 3. Driver installation

- ★ Click the “Next” icon to start the mobileCam setup procedure.



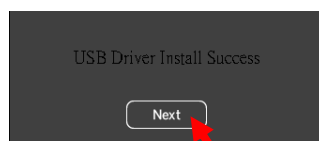
- ★ Wait for driver installation .



- ★ Click the “Continue” icon .If screen comes out the dialog as show below.



- ★ Driver installation success. Click the “Next” icon to create the user account.



2.4 Step 4. Create user account.

- ★ Click “Confirm” icon after enter the information list on below
Username (5~15 characters). **Note:** upper and lower **case insensitive**
Password : (5~15 characters). **Note:** upper and lower **case sensitive**.
Confirm : Re-Enter the **password** for confirmation.
E-mail : Enter the e-mail address for forgot password remind.

mobileCam Account Maintenance

User Name: tcchen

Password: [masked]

Confirm: [masked]

Email: tcchen@avds.com.tw

IMEI: 351579050411387

Agents: AVDS

Internet Channel: taipei

Confirm Cancel

- ★ If the “Account Create Success” message show on dialog. Enter the devices name for this mobileCam then click “Add” icon.

mobileCam Account Maintenance

User Name: tcchen

Password: [masked]

Confirm: [masked]

Email: tcchen@avds.com.tw

IMEI: 351579050058617

Agents: AVDS

Internet Channel: taipei

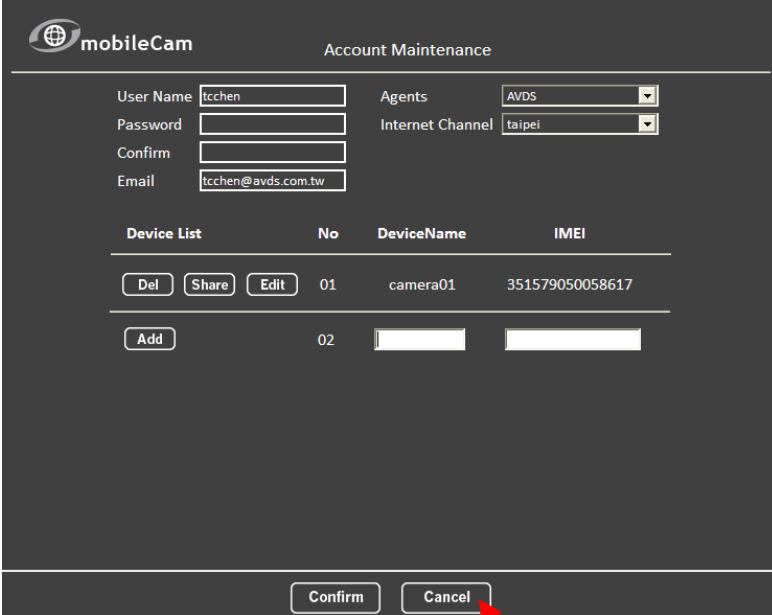
Device List	No	DeviceName	IMEI
	01	Camera01	351579050058617

Add

Account Create Success

Confirm Cancel

- ★ Dialog show the enter device name success. Click “Cancel” icon to Setup the mobileCam network.



mobileCam Account Maintenance

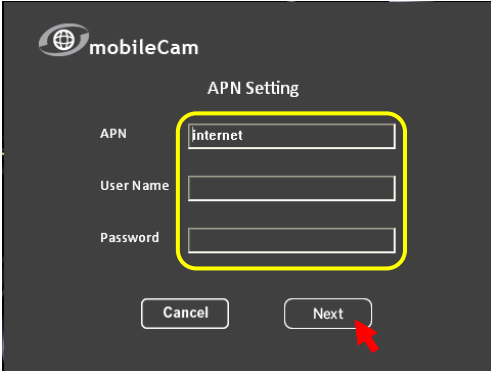
User Name: tcchen Password: Agents: AVDS
 Confirm: Internet Channel: taipei
 Email: tcchen@avds.com.tw

Device List	No	DeviceName	IMEI
Del Share Edit	01	camera01	351579050058617
Add	02		

Confirm Cancel

2.5 Step 5. Setup the mobileCam network.

- ★ Enter the **APN**, **username** (if need) and **password** (if need), provided by ISP provider, then click “Next” icon.

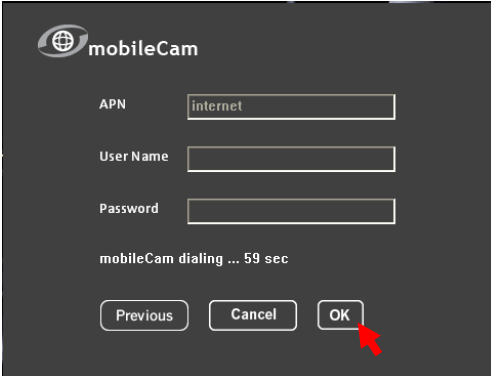


mobileCam APN Setting

APN: internet
 User Name:
 Password:

Cancel Next

- ★ Wait for dialing up to mobile network.



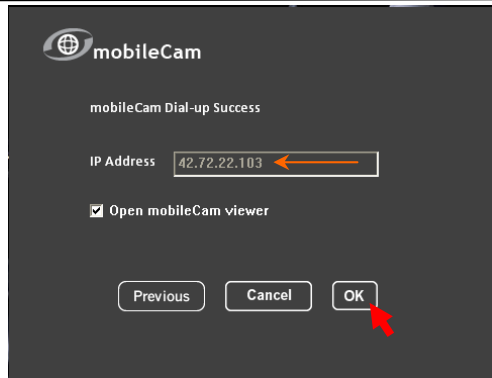
mobileCam

APN: internet
 User Name:
 Password:

mobileCam dialing ... 59 sec

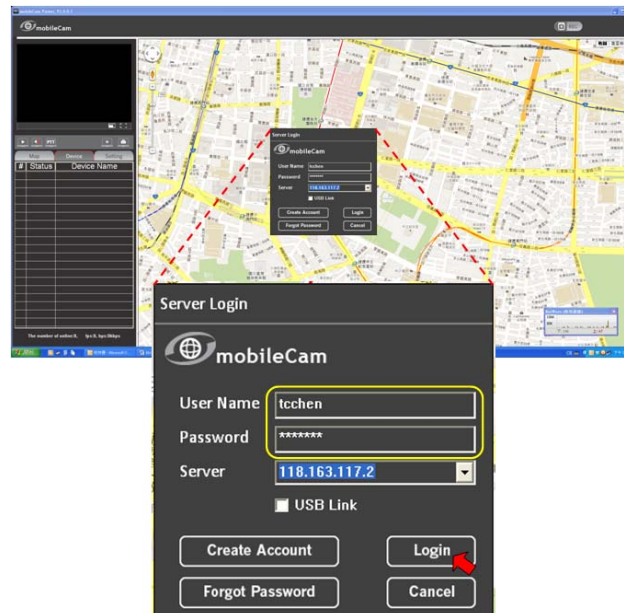
Previous Cancel OK

- ★ If IP address assigned. mobileCam network connection success then click “OK” icon to launch the mobileCam Viewer program..

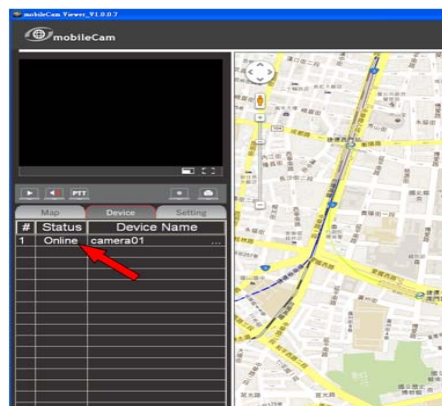


2.6 Step 6. View the online mobileCam

- ★ Enter the **username & password** that create in step 4 then click “Login” icon

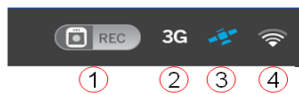


- ★ mobileCam device status will show on list. Double clicks the online device to view mobile video.



Chapter 3 mobileCam Viewer Overview

3.1 Icon and status bar for device (mobileCam) side



1. Remote mobileCam record icon.

Click this icon can remote the mobilCam stop or start recording.

mobileCam stop record.

mobileCam recording.

2. Mobile network connection status

GPRS EDGE 3G 3G/WCDMA HSPA+

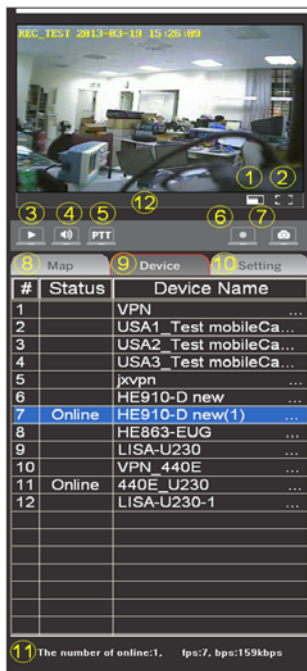
3. GPS status

GPS not fixed Cell locate GPS fixed.

4. Mobile network signal strength



3.2 Icon and status bar for remote (PC) side.



1. Video display resolution.

D1,CIF,QCIF

2. Full screen display.

3. Stop Video stream.

4. Mute the mobileCam audio.

5. Push to talk to the mobilCam.

6. Video stream record.

7. Snap the video.

8. Map display.

9. Device List.

10. Device setting.

11. Status display.

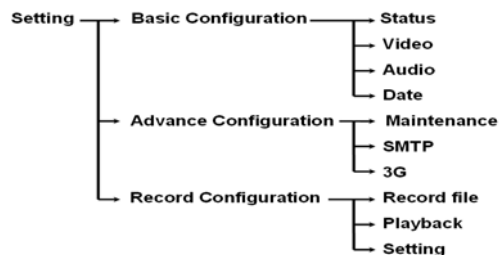
online, frame rate,
data receiving.

12. SOS display bar

red bar display when
device in SOS status.

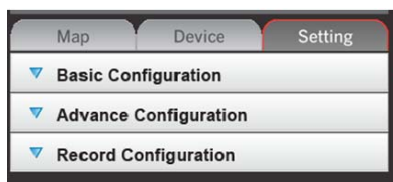
3.3 Device Setting :

Click “Setting” icon

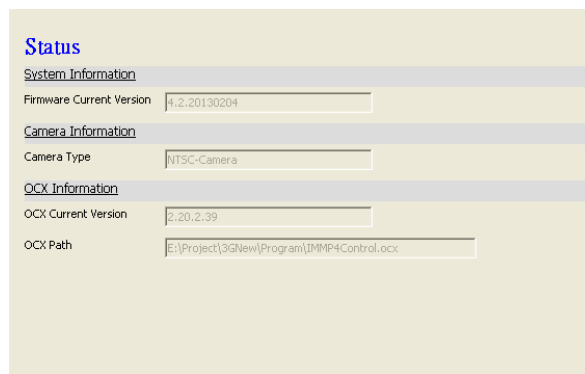


Note : Click “Save” after setting or “Reset” to restore the factory setting.

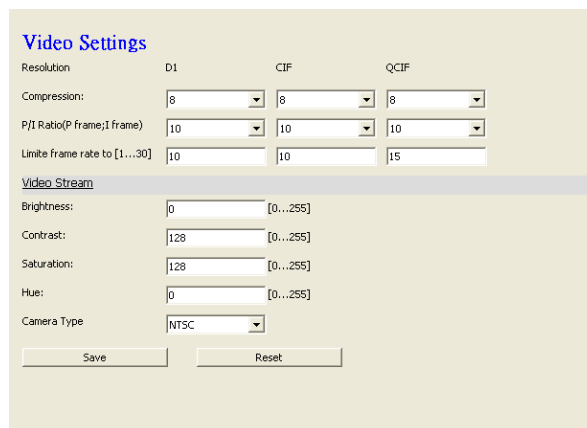
Basic Configuration



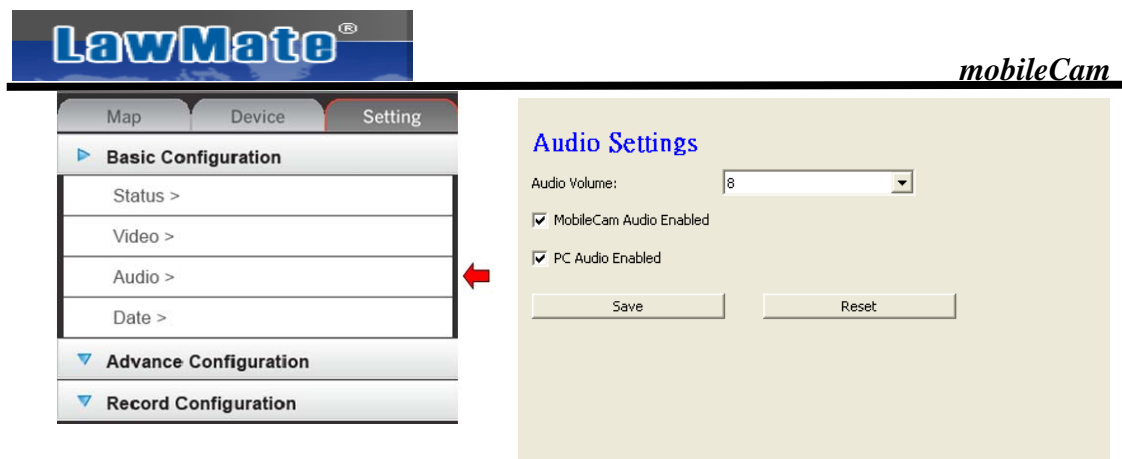
Status



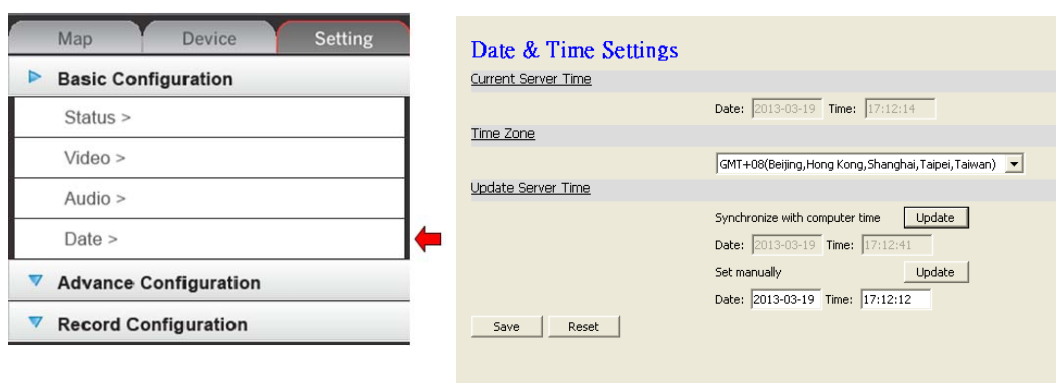
Video Factory Default setting is optimized. Please don't change if you are not professional user.



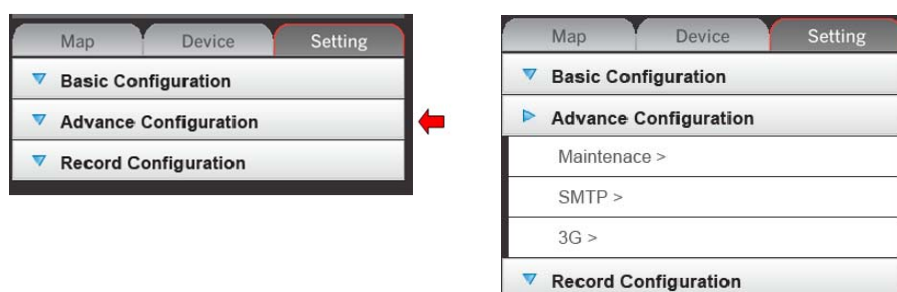
Audio Factory Default setting is optimized. Please don't change if you are not professional user.



Date **Please set the Time Zone to correct area**



Advance Configuration



Maintenance

Restart : reset the GM-GV3

Default : reset and restore the factory default setting.

Firmware upgrade : Use mobile network to update firmware will cause un-prediction unstable. **Please use USB connection to update the firmware.**

Map Device **Setting**

▼ Basic Configuration

▶ Advance Configuration

Maintenance >

SMTP >

3G >

▼ Record Configuration

Maintenance

Maintain Server

Restart Restart the mobileCam.

Default Resets all parameters, except the IP parameters, to the original factory settings.

Firmware Upgrade

Upgrade the mobileCam with the latest firmware, current version

Specify the firmware to upgrade to: Browse and click

Note: Do not disconnect power to the unit during the flash upgrade. The unit restarts automatically after the upgrade has completed. (1-10 minutes)

SMTP

SMTP : Device will send turn on message.

Emergency SMS : Device will send emergency and turn on message..

Map Device **Setting**

▼ Basic Configuration

▶ Advance Configuration

Maintenance >

SMTP >

3G >

▼ Record Configuration

SMTP Server Setting

Sender mail Address Outgoing mail Server(SMTP)

Authentication: Login

User Name:

Password:

Port: 25

SSL: Close

Receiver mail Address

Send a test e-mail with SMTP server

Emergency SMS

Cell Phone Number1

Cell Phone Number2

GPS Data Server(Optional)

App Server IP: 169.254.1.22

App TCP Port: 1234

3G

Mobile network setting : APN, User name & Password setting,

Server switch : Worldwide.

Region : select northern American if user in north American.

Map Device **Setting**

▼ Basic Configuration

▶ Advance Configuration

Maintenance >

SMTP >

3G >

▼ Record Configuration

3G

IP address: 39.14.146.78

Imei: 351579050117868

APN: internet

User:

Password:

MobileCam Server: 118.163.117.2

Server Switch: ☐ Taiwan ☒ Worldwide

Region: ☐ Northern America ☒ Other

Networking

Port Setting

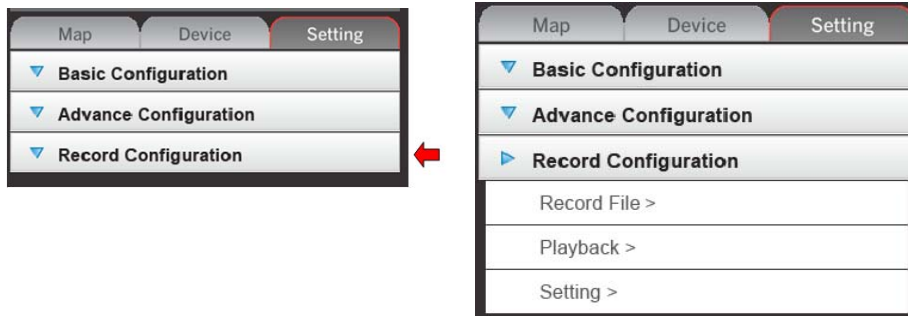
Http Port: 80

Rtsp Port: 554

Rtp Port: 6970

Rtcp Port: 6971

Record Configuration

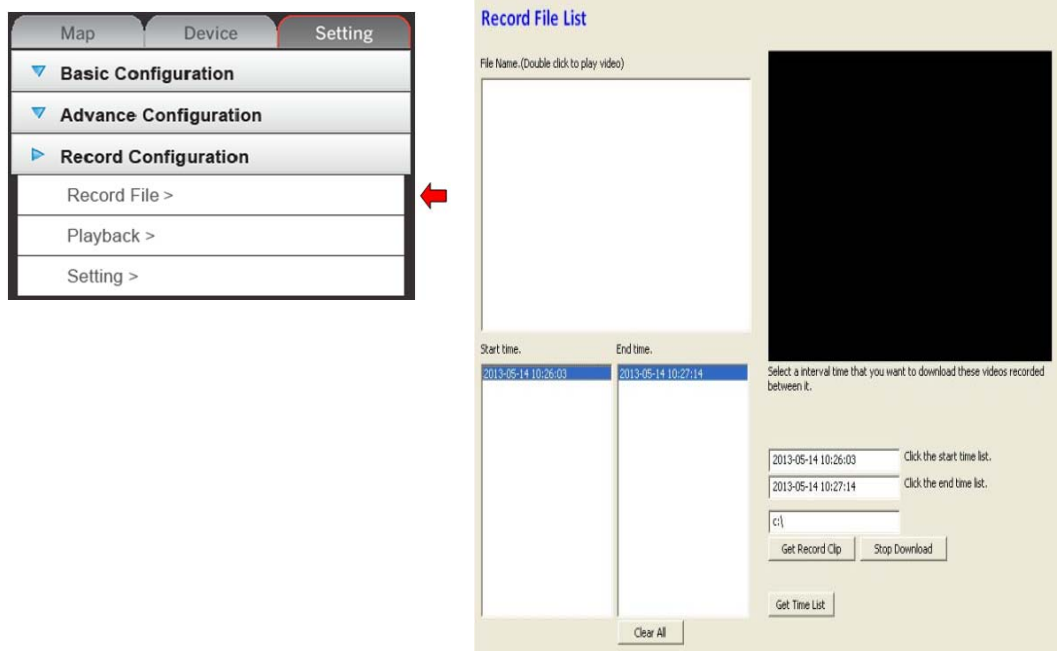


Record File :

Get Time List : Click “Get Time List”. The record file store on SD card will list on window.

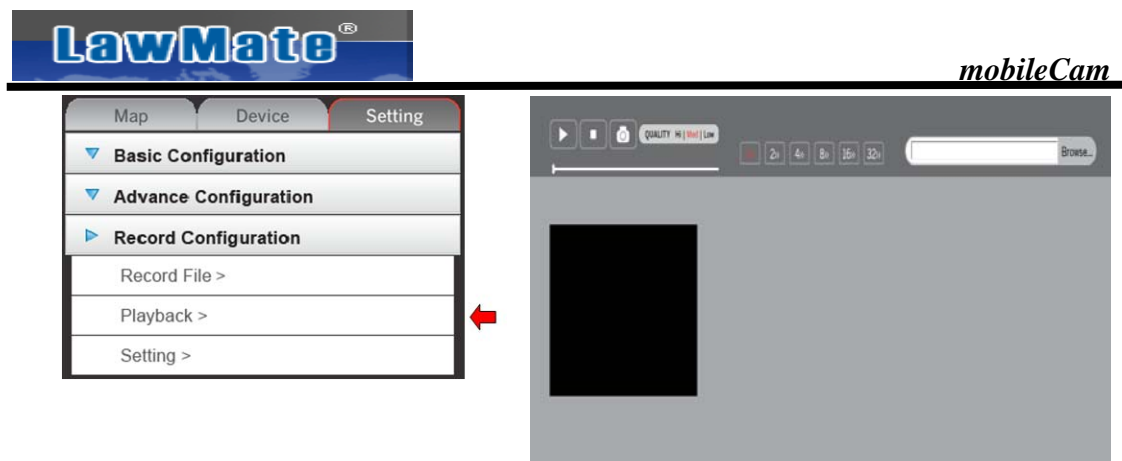
Get Record Clip : Click the start and stop time and modify the time region then click the “Get video clip” icon.. The clip file will list on File Name window after download completed.

Playback : Double click the downloaded filename to playback the video.



Playback

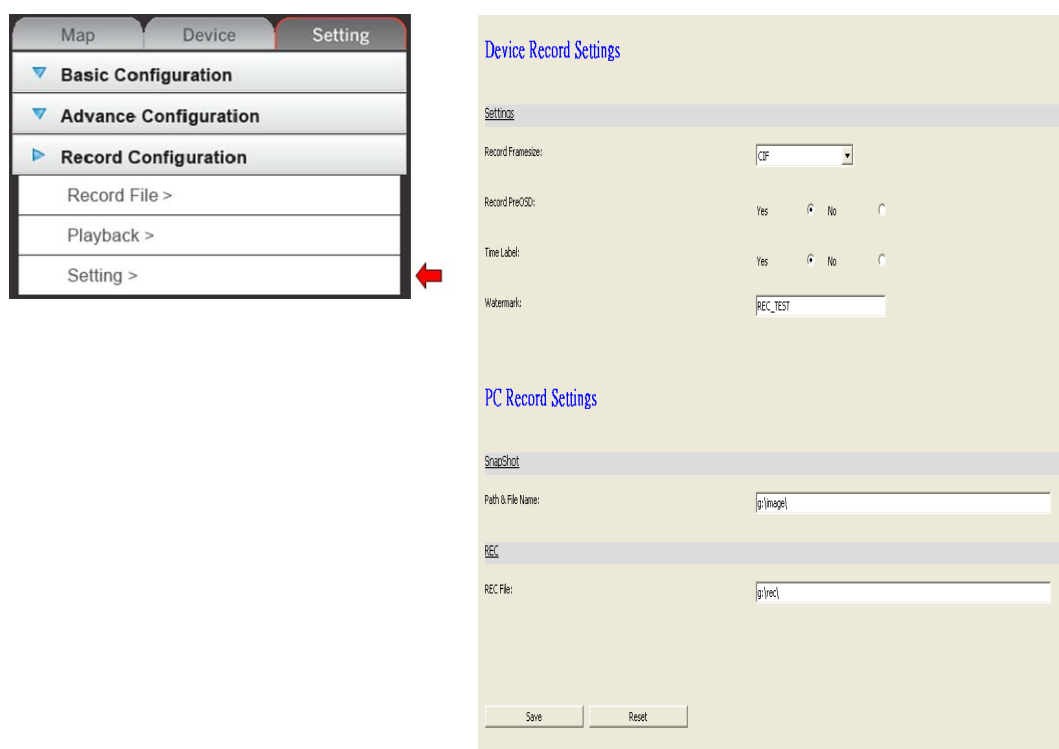
PlayBack : Click “Browse” to open the video file for Playing



Setting

Device record setting : Frame record size,
OSD on/off,
Time Label on/off.
Watermark setting.

PC record setting : Snapshot file saving path
Record file saving path.



3.4 Device List

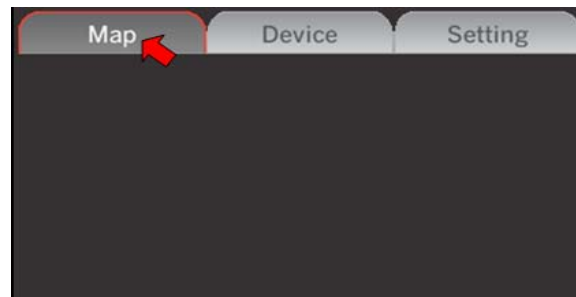
Click “**Device**” icon. All the device registration under account will be list.

Double click the **online** device to starting connection.

Map Device Setting		
#	Status	Device Name
1		USA1_Test mobileCa...
2		USA2_Test mobileCa...
3		USA3_Test mobileCa...
4		jxvpn ...
5		HE910-D new ...
6	Online	HE910-D new(1) ...
7		HE863-EUG ...
8		LISA-U230 ...
9		VPN 440E ...
10		440E_U230 ...
11		LISA-U230-1 ...
12		440E ...

3.5 Map

Click the “**Map**” icon. Map will show on the right side of screen.

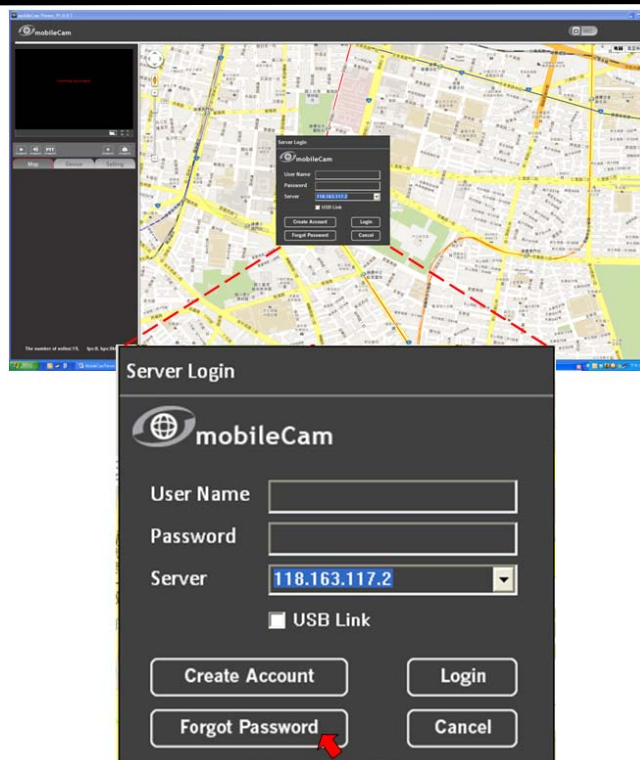


Chapter 4 Account maintenance

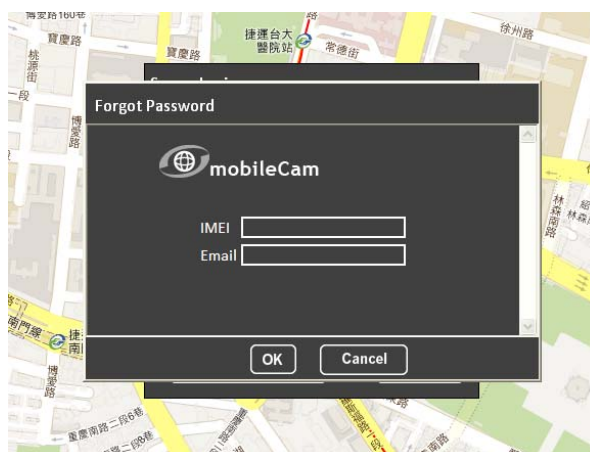
4.1 Forgot Password

Step 1. Run the mobileCam Viewer program

Step 2. Click the “**Forgot Password**” icon.



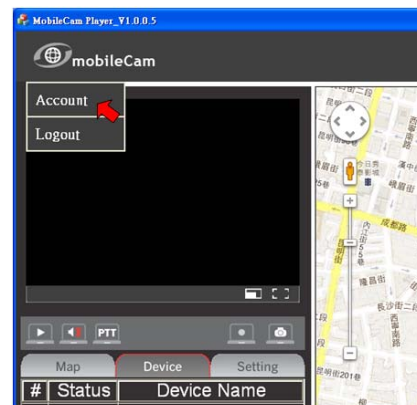
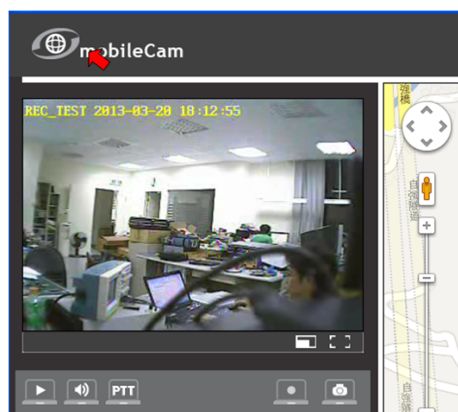
Step 3. Enter any one of device IMEI that you already add under your account and e-mail then click “OK”. System will send the password to your e-mail automatically



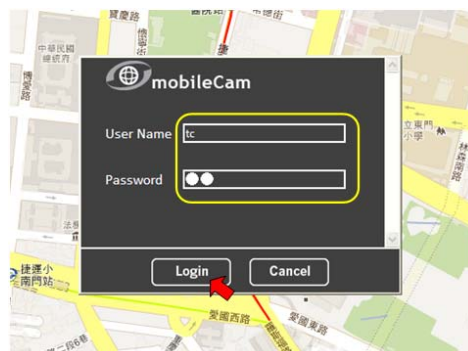
4.2 Change Password and e-mail

Step 1. Run the **mobileCam Viewer** program. Enter the **username** and **password** to start the program.

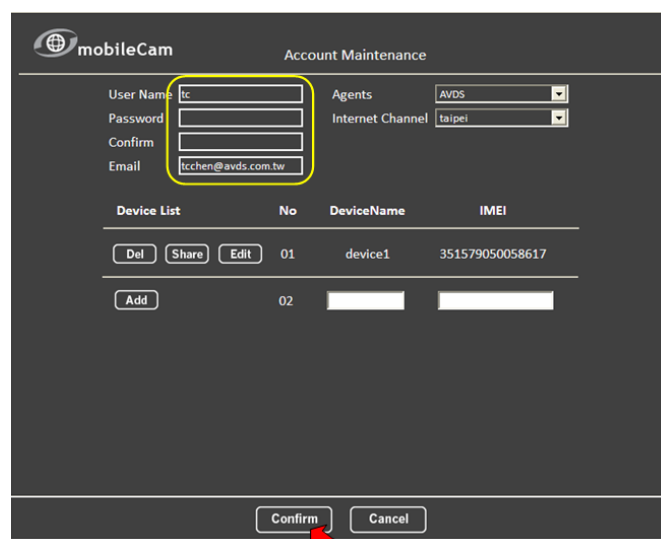
Step 2. Click the “**mobileCam**” icon on the left top of the program then click “**Account**” icon



Step 3. Enter the **username** and **password** then click “**Login**” icon to login the account maintenance page.



Step 4. Modify your **password** and **email** on the account maintenance page. then click the “**Confirm**” icon. **Note: User Name can not be modified.**



4.3 Add, rename, delete, or share device

mobileCam Account Maintenance

User Name: tc Password: Confirm: Email: tcchen@avds.com.tw

Agents: AVDS Internet Channel: taipei

Device List	No	DeviceName	IMEI
1 Del Share Edit	01	device1	351579050058617
2 Add	02		

Confirm Cancel

Delete device: Click “Del” icon to delete the device.

Add device: Enter the **device name** and **IMEI** then click “Add” icon.

Note:

Rename device:

Step 1. Click the “Edit” icon. Program will show the dialog box as below graph.

mobileCam Account Maintenance

User Name: tc Password: Confirm: Email: tcchen@avds.com.tw

Agents: AVDS Internet Channel: taipei

Device List	No	DeviceName	IMEI
Del Share Update Cancel	01	device1	351579050058617
Add	02		

Confirm Cancel

Step2. Rename the **device name** then click “Update” icon.

Share device:

Step1. Click the “Share” icon. the dialog box will show as below.

Step2. Enter the **username** to whom you want to share this **mobileCam** then click “Add” icon

4.4 Create account on mobileCam Viewer

make sure PC connect to internet

Step 1. Run the **mobileCam Viewer** program

Step 2. Click the “Create Account” icon

Step 3.

mobileCam Account Maintenance

1. User Name: [tc] IMEI: 5. 351579050058617

2. Password: [•••••] Agents: AVDS

3. Confirm: [•••••] Internet Channel: taipei

4. Email: david@evds.com

Confirm Cancel

1. **User Name** : Enter **username** (1~15 characters).
Note: upper and lower **case insensitive**
2. **Password** : Enter **password** (1~15 characters).
Note: upper and lower **case sensitive**.
3. **Confirm** : Enter the **password** for confirmation.
4. **E-mail** : Enter the **email** address for forgot password remind.
5. **IMEI** : Enter **IMEI** number is printed on the bottom of **mobileCam** device.
Click “**Confirm**” icon to create account after entering all the information.



Chapter 5 Setup GM-GV3 with USB connection

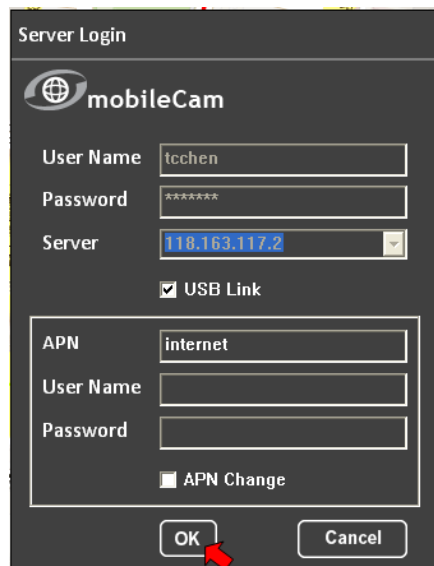
5.1 Set up GM-GV3 with USB

Please keep GM-GV3 connect to PC with USB cable.

Step 1. Click “USB Link” icon



Step 1. Click “OK” icon



Step 3. Please refer 3.3 device setting to setup the GM-GV3

5.2 Quick Mobile network setup

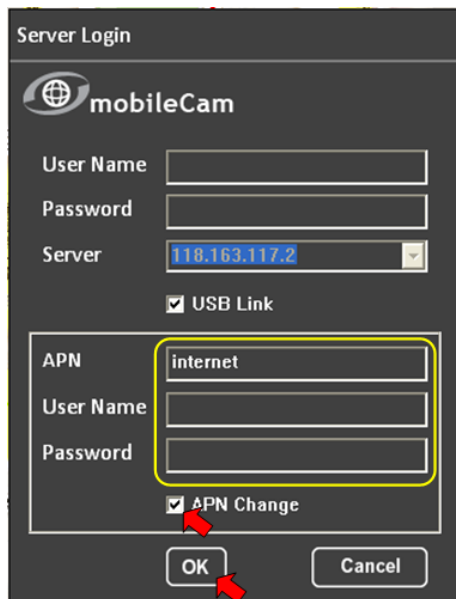
Please keep GM-GV3 connect to PC with USB cable.

Step 1. Click “USB Link” icon



Step 3. Enter the **APN**, **User Name**, & **Password** and. click “APN Change” icon then click “OK” icon.

APN, User Name, & Password provided by ISP (Internet Service Provider)



GM-GV3 mobileCam Specification

6.1 GM-GV3 Specification

Item	Description	Min.	Typ.	Max.	Unit
DC in Voltage	DC	4.5	5	5.5	V
Operating Current	Full run		1.3		A
Operating Time	Continuous operation		1.5		hr
Battery Type	Lithium 2200 mAh		3.7		V
Antenna	5 band 800/900/1700/1900/2100				
Network	WCDMA 3.75G				
Network Speed	HSUPA HSDPA+		5.76 21		Mbps
Camera Power		4.8		5.5	V
Camera Current Limit				250	mA
Video Compression	MPEG 4				
Video in	Impedance 75 ohm		1	1.5	Vp-p
Audio in	Impedance 1K ohm			2	Vp-p
Memory Type	Micro SD			32	G
GPS Sensitivity	Tracking Acquisition		-165 -148		dBm
GPS fix time	Cold start Warm start Hot start (Autonomous)			35 34 1.5	Sec.
Camera input	Φ2.5 phone jack				
Control port	Mini HDMI				
Operating Temperature		0		50	°C
Storage Temperature		-40		80	°C
Operating Humidity		5		95	%
Dimension	L x W x H w/o Battery	89 x 53.5 x 15.6	mm		